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#### INFRARED: GALAXIES

JHK<sup>r</sup> Imaging Photometry of Seyfert 1 Active Galactic Nuclei and Quasars. I. Multiaperture Photometry. *Keigo Enya, Yuzuru Yoshii, Yukiyasu Kobayashi, Takeo Minezaki, Masahiro Suganuma, Hiroyuki Tomita, & Bruce A. Peterson*. 141, 23 (2002)

JHK<sup>r</sup> Imaging Photometry of Seyfert 1 Active Galactic Nuclei and Quasars. II. Observation of Long-Term Variability. *Keigo Enya, Yuzuru Yoshii, Yukiyasu Kobayashi, Takeo Minezaki, Masahiro Suganuma, Hiroyuki Tomita, & Bruce A. Peterson*. 141, 31 (2002)

#### INSTRUMENTATION: MISCELLANEOUS

Astrophysical Neutrino Event Rates and Sensitivity for Neutrino Telescopes. *Ivone F. M. Albuquerque, Jodi Lamoureux, & George F. Smoot*. 141, 195 (2002)

#### ISM: CLOUDS

Polarimetry toward the IRAS Vela Shell. I. The Catalog. *A. Pereyra & A. M. Magalhaes*. 141, 469 (2002)

#### ISM: COSMIC RAYS

Searching for Long-Wavelength Neutrino Oscillations in the Distorted Spectrum of Galactic Supernova Remnants. *Roland M. Crocker, Fulvio Melia, & Raymond R. Valkos*. 141, 147 (2002)

#### ISM: INDIVIDUAL

##### Name: Gum Nebula

Polarimetry toward the IRAS Vela Shell. I. The Catalog. *A. Pereyra & A. M. Magalhaes*. 141, 469 (2002)

##### Name: Vela X

Polarimetry toward the IRAS Vela Shell. I. The Catalog. *A. Pereyra & A. M. Magalhaes*. 141, 469 (2002)

#### ISM: JETS AND OUTFLOWS

A Large-Scale Molecular Line Survey for Cold IRAS Sources in the Galaxy. I. The CO ( $J = 1-0$ ) Data. *Ji Yang, Zhibo Jiang, Min Wang, Binggang Ju, & Hongchi Wang*. 141, 157 (2002)

#### ISM: MAGNETIC FIELDS

Polarimetry toward the IRAS Vela Shell. I. The Catalog. *A. Pereyra & A. M. Magalhaes*. 141, 469 (2002)

#### ISM: PLANETARY NEBULAE: GENERAL

The Southern Dwarf Hunt: Local Group Dwarf Candidates in the Southern Sky. *Alan B. Whiting, George K. T. Hau, & Mike Irwin*. 141, 123 (2002)

#### ISM: REFLECTION NEBULAE

The Southern Dwarf Hunt: Local Group Dwarf Candidates in the Southern Sky. *Alan B. Whiting, George K. T. Hau, & Mike Irwin*. 141, 123 (2002)

#### ISM: SUPERNOVA REMNANTS

Searching for Long-Wavelength Neutrino Oscillations in the Distorted Spectrum of Galactic Supernova Remnants. *Roland M. Crocker, Fulvio Melia, & Raymond R. Valkos*. 141, 147 (2002)

#### LINE: IDENTIFICATION

Unusual Broad Absorption Line Quasars from the Sloan Digital Sky Survey. *Patrick B. Hall, Scott F. Anderson, Michael A. Strauss, Donald G. York, Gordon T. Richards, Xiaohui Fan, G. R. Knapp, Donald P. Schneider, Daniel E. Vanden Berk, T. R. Geballe, Amanda E. Bauer, Robert H. Becker, Marc Davis, Hans-Walter Rix, R. C. Nichol, Neta A. Bahcall, J. Brinkmann, Robert Brunner, A. J. Connolly, Istvan Csabai, Mamoru Doi, Masataka Fukugita, James E. Gunn, Zoltan Haiman, Michael Harvanek, Timothy M. Heckman, G. S. Hennessy, Naohisa Inada, Zeljko Ivezic, David Johnston, S. Kleinman, Julian H. Krolik, Jurek Krzesinski, Peter Z. Kunszt, D. Q. Lamb, Daniel C. Long, Robert H. Lupton, Gajus Miknaitis, Jeffrey A. Munn, Vijay K. Narayanan, Eric Neilsen, P. R. Newman, Atsuko Nitta, Sadanori Okamura, Laura Pentericci, Jeffrey R. Pier, David J. Schlegel, S. Snedden, Alexander S. Szalay, Anirudda R. Thakur, Zlatan Tsvetanov, Richard L. White, & Wei Zheng*. 141, 267 (2002)

#### METHODS: LABORATORY

Radiative Lifetimes of Eu I, II, and III and Transition Probabilities of Eu I. *E. A. Den Hartog, M. E. Wickliffe, & J. E. Lawler*. 141, 255 (2002)

#### METHODS: NUMERICAL

A Fast, Accurate, and Robust Algorithm for Transferring Radiation in Three-dimensional Space. *Renyue Cen*. 141, 211 (2002)

An Adaptive Grid, Implicit Code for Spherically Symmetric General Relativistic Hydrodynamics in Comoving Coordinates. *Matthias Liebendörfer, Stephan Rosswog, & Friedrich-Karl Thielmann*. 141, 229 (2002)

#### METHODS: STATISTICAL

Morphological Measures of Non-Gaussianity in Cosmic Microwave Background Maps. *Sergei F. Shandarin, Hume A. Feldman, Yongzhong Xu, & Max Tegmark*. 141, 1 (2002)

#### NEUTRINOS

Searching for Long-Wavelength Neutrino Oscillations in the Distorted Spectrum of Galactic Supernova Remnants. *Roland M. Crocker, Fulvio Melia, & Raymond R. Valkos*. 141, 147 (2002)

Astrophysical Neutrino Event Rates and Sensitivity for Neutrino Telescopes. *Ivone F. M. Albuquerque, Jodi Lamoureux, & George F. Smoot*. 141, 195 (2002)

#### NUCLEAR REACTIONS, NUCLEOSYNTHESIS, ABUNDANCES

Nuclear Deexcitation Gamma-Ray Lines from Accelerated Particle Interactions. *Benzion Kozlovsky, Ronald J. Murphy, & Reuven Ramaty*. 141, 523 (2002)

#### PLASMAS

EI Transitions between States with  $n = 1$  to 6 in Helium-like Carbon, Nitrogen, Oxygen, Neon, Silicon, and Argon. *W. R. Johnson, I. M. Savukov, U. I. Safronova, & A. Dalgarno*. 141, 543 (2002)

#### RADIATION MECHANISMS: NONTHERMAL

Searching for Long-Wavelength Neutrino Oscillations in the Distorted Spectrum of Galactic Supernova Remnants. *Roland M. Crocker, Fulvio Melia, & Raymond R. Valkos*. 141, 147 (2002)

VSOP Space VLBI and Geodetic VLBI Investigations of Southern Hemisphere Radio Sources. *S. J. Tingay, J. E. Reynolds, A. K. Tzioumis, David L. Jauncey, J. E. J. Lovell, R. Dodson, M. E. Costa, P. M. McCulloch, P. G. Edwards, H. Hirabayashi, D. W. Murphy, R. A. Preston, B. G. Piner, G. D. Nicolson, J. F. H. Quick, H. Kobayashi, & K. M. Shibata*. 141, 311 (2002)

#### RADIATIVE TRANSFER

A Fast, Accurate, and Robust Algorithm for Transferring Radiation in Three-dimensional Space. *Renyue Cen*. 141, 211 (2002)

Unusual Broad Absorption Line Quasars from the Sloan Digital Sky Survey. *Patrick B. Hall, Scott F. Anderson, Michael A. Strauss, Donald G. York, Gordon T. Richards, Xiaohui Fan, G. R. Knapp, Donald P. Schneider, Daniel E. Vanden Berk, T. R. Geballe, Amanda E. Bauer, Robert H. Becker, Marc Davis, Hans-Walter Rix, R. C. Nichol, Neta A. Bahcall, J. Brinkmann, Robert Brunner, A. J. Connolly, Istvan Csabai, Mamoru Doi, Masataka Fukugita, James E. Gunn, Zoltan Haiman, Michael Harvanek, Timothy M. Heckman, G. S. Hennessy, Naohisa Inada, Zeljko Ivezic, David Johnston, S. Kleinman, Julian H. Krolik, Jurek Krzesinski, Peter Z. Kunszt, D. Q. Lamb, Daniel C. Long, Robert H. Lupton, Gajus Miknaitis, Jeffrey A. Munn, Vijay K. Narayanan, Eric Neilsen, P. R. Newman, Atsuko Nitta, Sadanori Okamura, Laura Pentericci, Jeffrey R. Pier, David J. Schlegel, S. Snedden, Alexander S. Szalay, Anirudda R. Thakur, Zlatan Tsvetanov, Richard L. White, & Wei Zheng*. 141, 267 (2002)

#### RADIO CONTINUUM: GALAXIES

VSOP Space VLBI and Geodetic VLBI Investigations of Southern Hemisphere Radio Sources. *S. J. Tingay, J. E. Reynolds, A. K. Tzioumis, David L. Jauncey, J. E. J. Lovell, R. Dodson, M. E. Costa, P. M. McCulloch, P. G. Edwards, H. Hirabayashi, D. W. Murphy, R. A. Preston, B. G. Piner, G. D. Nicolson, J. F. H. Quick, H. Kobayashi, & K. M. Shibata*. 141, 311 (2002)

Evolution of Global Properties of Powerful Radio Sources. I. Hydrodynamical Simulation in a Constant Density Atmosphere and Comparison with Self-similar Models. *Joel C. Carvalho & Christopher P. O'Dea*. 141, 337 (2002)

Evolution of Global Properties of Powerful Radio Sources. II. Hydrodynamical Simulations in a Declining Density Atmosphere and Source Energetics. *Joel C. Carvalho & Christopher P. O'Dea*. 141, 371 (2002)

#### RADIO LINES: GENERAL

The VLBA Calibrator Survey—VCS1. *A. J. Beasley, D. Gordon, A. B. Peck, L. Petrov, D. S. MacMillan, E. B. Fomalont, & C. Ma*. 141, 13 (2002)

**RADIO LINES: ISM**

A Large-Scale Molecular Line Survey for Cold *IRAS* Sources in the Galaxy. I. The CO ( $J = 1-0$ ) Data. *Ji Yang, Zhibo Jiang, Min Wang, Binggang Ju, & Hongchi Wang.* 141, 157 (2002)

**REFERENCE SYSTEMS**

The VLBA Calibrator Survey—VCS1. *A. J. Beasley, D. Gordon, A. B. Peck, L. Petrov, D. S. MacMillan, E. B. Fomalont, & C. Ma.* 141, 13 (2002)

**RELATIVITY**

An Adaptive Grid, Implicit Code for Spherically Symmetric General Relativistic Hydrodynamics in Comoving Coordinates. *Matthias Liebendörfer, Stephan Rosswog, & Friedrich-Karl Thielmann.* 141, 229 (2002)

**SHOCK WAVES**

An Adaptive Grid, Implicit Code for Spherically Symmetric General Relativistic Hydrodynamics in Comoving Coordinates. *Matthias Liebendörfer, Stephan Rosswog, & Friedrich-Karl Thielmann.* 141, 229 (2002)

**STARS: BINARIES: CLOSE**

Rotational Behavior of Magnetic White Dwarfs: Numerical Study of a Turn-Over Scenario. *V. S. Geroyannis.* 141, 485 (2002)

**STARS: EARLY-TYPE**

A *UBVR* CCD Survey of the Magellanic Clouds. *Phillip Massey.* 141, 81 (2002)

*Far-Ultraviolet Spectroscopic Explorer* Atlas of OB Stars in the Magellanic Clouds. *Nolan R. Walborn, Alex W. Fullerton, Paul A. Crowther, Luciana Bianchi, John B. Hutchings, Anne Pellerin, George Sonneborn, & Allan J. Willis.* 141, 443 (2002)

**STARS: EVOLUTION**

A *UBVR* CCD Survey of the Magellanic Clouds. *Phillip Massey.* 141, 81 (2002)

**STARS: FORMATION**

A Large-Scale Molecular Line Survey for Cold *IRAS* Sources in the Galaxy. I. The CO ( $J = 1-0$ ) Data. *Ji Yang, Zhibo Jiang, Min Wang, Binggang Ju, & Hongchi Wang.* 141, 157 (2002)

**STARS: FUNDAMENTAL PARAMETERS**

Radial Velocities for 889 Late-type Stars. *David L. Nidever, Geoffrey W. Marcy, R. Paul Butler, Debra A. Fischer, & Steven S. Vogt.* 141, 503 (2002)

**STARS: INDIVIDUAL****Henry Draper Number: HD 62542**

Polarimetry toward the *IRAS* Vela Shell. I. The Catalog. *A. Pereyra & A. M. Magalhães.* 141, 469 (2002)

**STARS: KINEMATICS**

Radial Velocities for 889 Late-type Stars. *David L. Nidever, Geoffrey W. Marcy, R. Paul Butler, Debra A. Fischer, & Steven S. Vogt.* 141, 503 (2002)

**STARS: LATE-TYPE**

Radial Velocities for 889 Late-type Stars. *David L. Nidever, Geoffrey W. Marcy, R. Paul Butler, Debra A. Fischer, & Steven S. Vogt.* 141, 503 (2002)

**STARS: MAGNETIC FIELDS**

Rotational Behavior of Magnetic White Dwarfs: Numerical Study of a Turn-Over Scenario. *V. S. Geroyannis.* 141, 485 (2002)

**STARS: ROTATION**

Rotational Behavior of Magnetic White Dwarfs: Numerical Study of a Turn-Over Scenario. *V. S. Geroyannis.* 141, 485 (2002)

**STARS: SUPERNOVAE: GENERAL**

An Adaptive Grid, Implicit Code for Spherically Symmetric General Relativistic Hydrodynamics in Comoving Coordinates. *Matthias Liebendörfer, Stephan Rosswog, & Friedrich-Karl Thielmann.* 141, 229 (2002)

**STARS: WHITE DWARFS**

Rotational Behavior of Magnetic White Dwarfs: Numerical Study of a Turn-Over Scenario. *V. S. Geroyannis.* 141, 485 (2002)

**STARS: WINDS, OUTFLOWS**

*Far-Ultraviolet Spectroscopic Explorer* Atlas of OB Stars in the Magellanic Clouds. *Nolan R. Walborn, Alex W. Fullerton, Paul A. Crowther, Luciana Bianchi, John B. Hutchings, Anne Pellerin, George Sonneborn, & Allan J. Willis.* 141, 443 (2002)

**SUN: ABUNDANCES**

Nuclear Deexcitation Gamma-Ray Lines from Accelerated Particle Interactions. *Ben Zion Kozlovsky, Ronald J. Murphy, & Reuven Ramaty.* 141, 523 (2002)

**SUN: FLARES**

Nuclear Deexcitation Gamma-Ray Lines from Accelerated Particle Interactions. *Ben Zion Kozlovsky, Ronald J. Murphy, & Reuven Ramaty.* 141, 523 (2002)

**SUN: X-RAYS, GAMMA RAYS**

Nuclear Deexcitation Gamma-Ray Lines from Accelerated Particle Interactions. *Ben Zion Kozlovsky, Ronald J. Murphy, & Reuven Ramaty.* 141, 523 (2002)

**SURVEYS**

The VLBA Calibrator Survey—VCS1. *A. J. Beasley, D. Gordon, A. B. Peck, L. Petrov, D. S. MacMillan, E. B. Fomalont, & C. Ma.* 141, 13 (2002)

The Southern Dwarf Hunt: Local Group Dwarf Candidates in the Southern Sky. *Alan B. Whiting, George K. T. Hau, & Mike Irwin.* 141, 123 (2002)

**TECHNIQUES: INTERFEROMETRIC**

The VLBA Calibrator Survey—VCS1. *A. J. Beasley, D. Gordon, A. B. Peck, L. Petrov, D. S. MacMillan, E. B. Fomalont, & C. Ma.* 141, 13 (2002)

VSOP Space VLBI and Geodetic VLBI Investigations of Southern Hemisphere Radio Sources. *S. J. Tingay, J. E. Reynolds, A. K. Tzioumis, David L. Jauncey, J. E. J. Lovell, R. Dodson, M. E. Costa, P. M. McCulloch, P. G. Edwards, H. Hirabayashi, D. W. Murphy, R. A. Preston, B. G. Piner, G. D. Nicolson, J. F. H. Quick, H. Kobayashi, & K. M. Shibata.* 141, 311 (2002)

**TECHNIQUES: POLARIMETRIC**

Polarimetry toward the *IRAS* Vela Shell. I. The Catalog. *A. Pereyra & A. M. Magalhães.* 141, 469 (2002)

**TECHNIQUES: RADIAL VELOCITIES**

Radial Velocities for 889 Late-type Stars. *David L. Nidever, Geoffrey W. Marcy, R. Paul Butler, Debra A. Fischer, & Steven S. Vogt.* 141, 503 (2002)

**TECHNIQUES: SPECTROSCOPIC**

Radial Velocities for 889 Late-type Stars. *David L. Nidever, Geoffrey W. Marcy, R. Paul Butler, Debra A. Fischer, & Steven S. Vogt.* 141, 503 (2002)

**TELESCOPES**

Astrophysical Neutrino Event Rates and Sensitivity for Neutrino Telescopes. *Ivone F. M. Albuquerque, Jodi Lamoureux, & George F. Smoot.* 141, 195 (2002)

**ULTRAVIOLET: STARS**

*Far-Ultraviolet Spectroscopic Explorer* Atlas of OB Stars in the Magellanic Clouds. *Nolan R. Walborn, Alex W. Fullerton, Paul A. Crowther, Luciana Bianchi, John B. Hutchings, Anne Pellerin, George Sonneborn, & Allan J. Willis.* 141, 443 (2002)



